



**STATE OF WASHINGTON
DEPARTMENT OF REVENUE**

January 19, 1999

TO: All County Assessors

FROM: Joseph D. Simmonds, Personal Property Program Manager
Property Tax Division

SUBJECT: 1999 PERSONAL PROPERTY VALUATION SCHEDULES

Enclosed are the 1999 Personal Property Valuation Indicators and Index for use in making 1999 assessments.

To use these schedules, refer to the alphabetical Index for the class of property, which will in turn, refer you to the appropriate column on the attached Valuation Indicator sheet. The multiplier appearing in the column corresponding with the acquisition year times the historical cost gives the indicated January 1, 1999 value. Supplemental Valuation Schedule A is provided on the last page of the Index for video games, wine barrels, video tapes and laser disks, billboards and poster panels, title plants, and computer software.

In 1998 ,the Department conducted several studies to update the Personal Property Indexes. The results of these studies are as follows:

Valuation of video tapes was completed considering the proper trade levels and analysis of the available data. It is recommended that video tapes continue to be valued at \$9.00 per tape.

Additionally, a study was conducted on heavy equipment used in general construction and land clearing activities. The equipment surveyed was limited to backhoes, wheel and crawler loaders, hydraulic excavators, and crawler and wheel tractors (dozers). This study concluded that the current schedules recommended by the Department are representative of market value. However, economic conditions affecting Asia may create a glut on the market that may require additional consideration in future assessments.

A study and analysis was completed on medical imaging equipment, such as computerized tomography, magnetic resonance imaging and ultrasound. In addition, X-ray and EKG equipment was considered. The results concluded that the current tables utilized for the above equipment are consistent with current market value, and no changes were made in the valuation of this equipment.

A study was completed on the valuation of wine barrels and innerstaves. Based on these findings, a schedule has been added to Supplemental Valuation Schedule A with the recommended changes. Schedules previously used to value aging barrels are no longer valid. Additional conclusions reached in this analysis were that oak chips, oak sleeves, infusion tubes, and oak sticks should all be considered a supply as they have a useful life of a year or less.

Gantry container cranes were studied. As a result of this study, a category has been added under the general heading of cranes entitled "Container," recommending a schedule 8 with a single asterisk. The findings in this study concluded that although the physical container crane may be a long-lived asset, there could be certain economic or functional consideration necessary. This may result from such things as the size of newer ships, ships under construction, and the capacity of the cranes to meet the expanded size.

An additional study covering restaurant equipment was completed, and the findings upheld the current schedule 19 for this type equipment. The findings supported on average, a 10-year life and the 20% minimum value in use. The study determined that condition and maintenance of the equipment at the time of assessment was more of a valuation factor than chronological age.

As stated in the 1998 cover letter, the billboard and poster panel costs have been reviewed to conform to the recommendations of the study. The trend index for the 1999 indicators resulted in an insignificant difference from the previous year. As a result, these values remain unchanged for the 1999 assessment.

These valuation indicators are published as guides in estimating market values of equipment in average condition. Adjustments to the estimated market values should be made when the assessor or taxpayer substantiates excessive obsolescence not already considered in the indicators.

The Personal Property Valuation Indicators may not be applicable in all instances in achieving the statutory mandate of 100% true and fair value. Property classes listed in the index having a single asterisk may require special consideration due to abnormal or extraordinary circumstances.

Those properties shown with a double asterisk on the Index indicate use of the Industrial Valuation Schedules. Properties showing a triple asterisk indicate individual large pieces of equipment that may qualify for use of the Industrial Valuation Schedules.

The Department of Revenue recommends the use of these schedules and believes their use will produce standardization and equalization in the assessment of personal property. Any questions regarding the schedules or other personal property tax issues may be directed to Gary Wright (360) 664-3177 or Joe Simmonds at (360) 753-5552.

Enclosures

INDEX TO PERSONAL PROPERTY VALUATION INDICATORS

For January 1, 1999 Valuations

BUSINESS ACTIVITY OR TYPE OF BUSINESS

| Column | | Column | |
|---|-------------------------------|---|-----------------|
| - A - | | - B - | |
| Agriculture | | Bakeries | |
| Aqua Farms | | Industrial (i.e., Wonder Bread) | ** |
| Nets | 30 | Commercial (i.e., Safeway) | 12 |
| Pens & Support Structures | 18 | Banks | |
| Dairy Milking M&E | 14 | Alarm Systems | 24 |
| Feedmill M&E | ***12 | Cash Machines | 24 |
| Seed Cleaning M&E | ***12 | Furniture & Fixtures | 14 |
| Fertilizer Applicators & Manure Systems-Liquid | 24 | Video Equipment | 24 |
| Dry Fertilizer Applicators | 18 | Safety Deposit Boxes | 10 |
| Tanks | 16 | Vault Doors | (Value at Cost) |
| M&E (Excluding tractors & dairy) | 18 | Barber & Beauty Shop | 16 |
| Irrigation Systems | | Baseboard Heater Mfg. M&E | 12 |
| Circles | 18 | Beer Kegs | 10 |
| Gated Pipe | 18 | Billboards | (See signs) |
| Wheel Moves & Handlines | 16 | Bleach Mfg. M&E | ** |
| Tractors | 12 | Bleach Packaging M&E | 14 |
| Combines | 20 | Blueprinting, Photostatting, Mimeographing & | |
| Air Conditioning (Single Room Unit) | 16 | Lithograph (Nonelectronic) | 16 |
| Aircraft Manufacturing | | Boat Molds (Fiberglass) | 22 |
| M&E | ***14 | Book Bindery | 12 |
| Testing Equipment | 24 | Bottling & Soft Drinks Mfg. M&E | ** |
| Small Tools (Perishable) | 24 | Bowling Alleys | 12 |
| Patterns | 24 | Electronic Scoring Machines | 24 |
| Aircraft Parts Manufacturing | | Pinsetters & Others | 19 |
| M&E | 14 | Brewing & Distilling | ** |
| Test Equipment | 24 | Butcher Shops | 12 |
| Small Tools | 24 | | |
| Amusement Devices (Music Machines, etc.) | 24 | | |
| VCR's | 28 | | |
| Video Games | (See Supplemental Schedule A) | | |
| Video Tapes | (See Supplemental Schedule A) | | |
| Antique F&F | (Value at Cost) | | |
| Apartment F&F | 16 | C.A.T.V. & S.A.T.V. Equipment | |
| Apparel Mfg. M&E | 8 | Signal Receiving Equipment | 12 |
| Aqua Farms | | Distribution Equipment | 14 |
| Nets | 30 | Headend Equipment | 16 |
| Pens & Support Structures | 18 | Converters, Decoders, Digital Boxes, Modems | 30 |
| Archery Equipment Mfg. | 12 | Electronic Testing Equipment and Small Tools | 24 |
| Artwork | (Value at Cost) | Television Production Equipment | 19 |
| Auto Repair | (also see Service Station) | Cabinet Shop M&E | 12 |
| Diagnostic Equipment (Electronic) | 24 | Campground Equipment | 16 |
| M&E | 18 | Candy & Confection Mfg. M&E | 12 |
| Small Tools | 24 | Car Wash (5 Min. & Coin-Op) | 18 |
| Welding Equipment | 12 | Cash Machines | 24 |
| | | Cash Registers & Scanners | 24 |
| | | Cement, Clay & Brick Products Mfg. | ** |
| | | Chemical Products Mfg. | ** |
| | | Clothing Mfg. | 8 |
| | | Cocktail Bars & Taverns | 19 |
| | | Antique Back Bars | (Value at Cost) |
| | | Coin-Op Lockers | 16 |
| | | Coin-Op Machines | 24 |

INDEX TO PERSONAL PROPERTY VALUATION INDICATORS

For January 1, 1999 Valuations

BUSINESS ACTIVITY OR TYPE OF BUSINESS

| | Column | | Column |
|---|--------|--|-------------------|
| Computer Systems (Business) | | Dental | |
| Lotto Machines | 30 | Equipment | 14 |
| Main Frame Computers | 30 | Furniture & Fixtures | 14 |
| Personal Computers (Excluding Peripheral Equipment) | 40 | Libraries | 12 |
| Peripheral Equipment (Printer, CD Players, etc.) | 30 | X-Ray Equipment | 18 |
| Canned Software (See Supplemental Schedule A) | | Department Store F&F | 16 |
| Custom Software (See Supplemental Schedule A) | | Dies & Molds | 18 |
| Production Systems Computers | 24 | Electronic Mfg. | 24 |
| Computer Numeric Controlled (CNC) Milling | | Patterns | 24 |
| Machines | 14 | Dispensing Machinery (Coin-Op) | 24 |
| Construction M&E | | Distilling & Brewing | ** |
| Cranes | | Doctors | |
| Bridge | 8 | Equipment | 14 |
| Crawler | 10 | Furniture | 14 |
| Mobile Telescopic | 16 | Libraries | 12 |
| General Construction | 16 | Diagnostic Equipment (CT, MRI, Ultrasound, etc.) | 24 |
| Asphalt Plants | | X-Ray | 12 |
| Portable | 18 | Drug Store F&F | 16 |
| Stationary | 12 | Dry Cleaning & Laundry M&E | |
| Land Clearing | 16 | Coin-Op | 24 |
| Licensed Vehicles Not Subject to Vehicle Excise Tax | 16 | Other Than Coin-Op | 14 |
| Marine Construction | | Dumpsters, Garbage | 16 |
| Ships & Vessels | ***12 | | |
| Pleasure Craft | 12 | - E - | |
| Boat Molds | 22 | | |
| Road Construction (Heavy) | 22 | Electrical Generating | |
| Rock Crushing | | Gas & Diesel | 16 |
| Portable | 18 | Steam | ** |
| Stationary | 12 | Electrical Mfg. M&E | 12 |
| Sewer & Utilities | 16 | Electronic Equip. | 24 |
| Well Drilling | 16 | Electronic Mfg. Equip. | 24 |
| Container Mfg. M&E | ** | Espresso Carts | 24 |
| Coolers (Walk-In) | 12 | Extrusion M&E | ** |
| Copy Machines (Purchased) | 28 | | |
| Costumes (Rental) | 24 | - F - | |
| Cranes | | | |
| Bridge | 8 | Farm Equipment | (See Agriculture) |
| Container | *8 | Fax Machines | 30 |
| Crawler | 10 | Feedmill M&E | ***12 |
| Mobile Telescopic | 16 | Fertilizer Applicators | 24 |
| | | Fertilizer Mfg. | ** |
| - D - | | Fiberglass Molds (other than boats) | 22 |
| | | Fish Processing M&E | ***12 |
| Dairy Milking M&E | 14 | Fitness Equipment | |
| Dairy Processing | ** | Manual | 16 |
| Data Processing Equipment | 30 | Electronic | 24 |
| | | Flour, Cereal & Grain Milling | ** |
| | | Food Processing | ** |

INDEX TO PERSONAL PROPERTY VALUATION INDICATORS

For January 1, 1999 Valuations

BUSINESS ACTIVITY OR TYPE OF BUSINESS

| | Column | | Column |
|--|--------|--|----------------|
| Forklifts | | - K - | |
| <i>Inside</i> | 14 | | |
| <i>Outside</i> | 16 | Key Duplication | 16 |
| Foundry | ** | | |
| Fraternal Lodges | 14 | - L - | |
| - G - | | Laboratories | |
| Garage M&E | 18 | <i>Diagnostic</i> | 24 |
| Garbage Dumpsters | 16 | <i>Equipment (Nonelectric)</i> | 18 |
| General Contractor M&E | 16 | <i>Equipment (Electronic & Computerized)</i> | 24 |
| Golf Courses | | Landscaping M&E | 16 |
| <i>Carts</i> | 20 | Laundry & Dry Cleaning | |
| <i>Equipment</i> | 18 | <i>Coin-Op</i> | 24 |
| <i>Tractors</i> | 12 | <i>Other Than Coin-Op</i> | 14 |
| Greenhouse & Nursery M&E | 16 | Law Libraries | 12 |
| Grocery Stores | | Leather Products Mfg. M&E | 8 |
| <i>Cash Registers & Scanners</i> | 24 | Libraries (Professional) | 12 |
| <i>Fixtures & Equipment</i> | 16 | Lift Trucks | (See Forklift) |
| <i>Meat Packing</i> | 12 | Lotto Machines | 30 |
| <i>POS (Point of Sale Computer Systems)</i> | 30 | Lumber & Wood Products | |
| <i>Walk-in Coolers</i> | 12 | <i>Logging M&E</i> | 18 |
| - H - | | <i>Log Stackers</i> | 18 |
| Hardware Store F&F | 16 | <i>Pulp, Paper & Paperboard</i> | ** |
| Hatchery M&E | 16 | <i>Plywood & Veneer</i> | ** |
| Health Spa Equip. | | <i>Scarifying M&E</i> | 18 |
| <i>Manual</i> | 16 | <i>Sawmills</i> | |
| <i>Electronic</i> | 24 | <i>Portable</i> | 14 |
| Hospitals | | <i>Stationary</i> | ** |
| <i>Equipment</i> | 16 | - M - | |
| <i>Diagnostic Equipment(CT,MRI,Ultrasound,etc)</i> | 24 | Machine Shop M&E (Maintenance) | ***12 |
| <i>Laboratory Equip. (Nonelectric)</i> | 18 | Machine Shop (Production) | *** |
| <i>Laboratory Equip. (Electronic & Computerized)</i> | 24 | Mailing Machines | 20 |
| <i>Mattresses</i> | 30 | Meat Packing M&E | 12 |
| <i>X-Ray</i> | 12 | Meat Processing (Complex) | ** |
| - I - | | Medical Equipment | 14 |
| Ice Cream Cabinets | 16 | Metal Fabrication & Extrusion Mfg. | *** |
| Ice & Refrigeration Machinery | ** | Metal Sheet Fabrication | ***12 |
| Iron & Steel Industry | ** | Milling Machines - Computer | |
| - J - | | <i>Numeric Controlled (CNC)</i> | 14 |
| Janitorial Service Equipment | 20 | Mining & Milling | ** |
| Jewelry Store F&F and Equip. | 16 | Mobile Yard Equipment | 16 |
| | | Mortuary Service Equip. | 14 |
| | | Motels | |
| | | <i>Furniture & Equipment</i> | 19 |
| | | <i>Office</i> | (See Office) |
| | | <i>Restaurant & Bar Equipment</i> | 19 |
| | | <i>Telephone Systems</i> | 30 |
| | | <i>TV's</i> | 24 |
| | | <i>VCR's</i> | 28 |

For January 1, 1999 Valuations

| BUSINESS ACTIVITY OR TYPE OF BUSINESS | | | |
|--|------------------------|---|-------------------------------|
| | Column | | Column |
| Music Instruments -- Rental | 22 | | |
| Music Studio Recording Equip. | 24 | | |
| Music Systems (Background) | 24 | | |
| - N - | | - R - | |
| Neon Signs | 19 | Radio & Television | |
| Newspaper M&E | | Broadcasting Equipment | 19 |
| Press | 12 | C.A.T.V. (Cable System) | (See C.A.T.V. Equipment) |
| Photographic | 16 | Service & Repair Equip. | 19 |
| Computer (Production) | 24 | Towers | 12 |
| Other M&E | 14 | Radio-Telephone Equipment 2-Way | 24 |
| Nursing Homes | | Railroad Rolling Stock-Private(Except Logging Cars) | 12 |
| Furniture & Fixtures | 16 | Rental Equipment | |
| Mattresses | 30 | Costumes | 24 |
| - O - | | Public U-Rent (Excluding Heavy Equipment) | 22 |
| Office Equipment | | Heavy Equipment | (Value by type) |
| Antiques | (Value at Cost) | Telephones (Residential) | 30 |
| Copy Machines (Purchased) | 28 | Tuxedos | 30 |
| Electric & Electronic Machines | 24 | Research & Development M&E | *20 |
| Furniture & Fixtures | 14 | Restaurants, Soda Fountains & Drive-Ins | 19 |
| Mailing Machines | 20 | Walk-in Coolers | 12 |
| Safes | 10 | Retail Stores | |
| Sound Systems (Background) | 24 | Fixtures | 16 |
| Oxygen & Acetylene Tanks | 10 | Office F & F | (See Office Equip.) |
| - P - | | POS Computer Systems | 30 |
| P.A. Systems | 20 | Public Address Systems | 20 |
| Packing & Sorting M&E (Fruit, Vegetable, Etc.) | ** | Sound Systems (Background) | 24 |
| Paint & Varnish Mfg. M&E | 12 | Rock Crushers | (See Construction) |
| Pallets, Crates, Lugs, Bins, Etc. | 18 | - S - | |
| Petroleum Products | | Sawmills | (See Lumber) |
| Bulk Station Equipment | 14 | Scaffolding (Rental) | 22 |
| Refining | ** | Search Lights | 17 |
| Service Station Equipment | (See Service Stations) | Service Stations | |
| Photography Equipment | 16 | Dispensers (Gas) | 20 |
| Plastic Extrusion M&E | ** | Equipment | 18 |
| Plumbing Shop Equipment | 16 | Store F & F | 16 |
| Plywood & Veneer Mfg. | ** | Sewing Equipment | 12 |
| Pool Hall Equipment | 14 | Sewer Construction Equipment | 16 |
| Power & Generation M&E | | Sheet Metal Fabrication | ***12 |
| Gas & Diesel | 16 | Shipbuilding | (See Construction) |
| Steam | ** | Shoes & Leather Products Mfg. M&E | 8 |
| Printing & Publishing Equipment | (See Newspaper) | Shipyards | (See Construction) |
| Professional Equipment | | Signs | |
| Scientific, Doctors, Dentists, Etc. | 14 | Bulletin Boards | 14 |
| Libraries | 12 | Billboards | (See Supplemental Schedule A) |
| Propane Tanks | 16 | Electronic | 15 |
| Pulp & Paper Mfg. | ** | Neon | 19 |
| | | Plastic Illuminated | 19 |
| | | Poster Panels | (See Supplemental Schedule A) |

INDEX TO PERSONAL PROPERTY VALUATION INDICATORS

For January 1, 1999 Valuations

| BUSINESS ACTIVITY OR TYPE OF BUSINESS | | | |
|---|--|--|--|
| | Column | | Column |
| Ski Areas | | - U - | |
| <i>Snow Cats & Packers</i> | 24 | | |
| <i>Tows & Lifts</i> | ** | Unlicensed Vehicles (<i>Not Subject to Vehicle</i> | |
| Ski Mfg. Equipment | 12 | <i>Excise Tax</i>) | 16 |
| Small Tools - Perishable | 24 | Upholstery Equipment | 16 |
| Smelting | ** | | |
| Soft Drink Mfg. M&E (Batch) | 14 | - V - | |
| Sound Systems (Background) | 24 | | |
| Super Markets | | VCR's | 28 |
| <i>Cash Registers & Scanners</i> | 24 | Vending Machines | 24 |
| <i>Fixtures & Equipment</i> | 16 | Video Games | (<i>See Supplemental Schedule A</i>) |
| <i>Meat Packing</i> | 12 | Video Tapes | (<i>See Supplemental Schedule A</i>) |
| <i>POS Computer Systems</i> | 30 | Video Cameras/Camcorder | 24 |
| <i>Public Address Systems</i> | 20 | | |
| <i>Walk-in Coolers</i> | 12 | - W - | |
| Surveying Equipment | 14 | | |
| - T - | | Warehouse Equipment (<i>Including Lifts</i>) | 14 |
| | | <i>Pallets, Crates, Lugs, Bins, etc.</i> | 18 |
| Tanning Salon Equip. | 16 | Water Softeners | 14 |
| Tavern & Bar Equipment | 19 | Water Systems | 12 |
| <i>Antique Back Bars</i> | (<i>Value at Cost</i>) | Welding Shop Equip. | 12 |
| Television & Radio | (<i>See Radio</i>) | Well Drilling | 16 |
| Telephones | | Winery Equipment | ***14 |
| <i>Cellular</i> | 30 | <i>Aging Barrels</i> | (<i>See Supplemental Schedule A</i>) |
| <i>Pagers</i> | 24 | <i>Innerstaves</i> | (<i>See Supplemental Schedule A</i>) |
| <i>Rentals (Commercial & Residential)</i> | 30 | Wholesale Store | 14 |
| <i>Systems (Customer Owned)</i> | 30 | Woodworking Shops M&E | 12 |
| Textile Tent & Awning Mfg. M&E | 8 | - X - | |
| Theater | | | |
| <i>Projection Equipment</i> | 16 | X-Ray Equip. (<i>Other Than Dental</i>) | *12 |
| <i>F&F</i> | 17 | | |
| Tire Recapping | 14 | | |
| Title Plants | (<i>See Supplemental Schedule A</i>) | | |
| Tuxedo Rentals | 30 | | |
| Toilets, Portable | 14 | | |

* -- May Require Special Consideration Due to Functional or Economic Conditions

** -- Use Industrial Valuation on Entire Plant

*** -- Major Items of Equipment May Qualify For Use of 7.5% Industrial Valuation Schedule

A -- Use Supplemental Schedule

SUPPLEMENTAL VALUATION SCHEDULE

Revised 1/19/99

| VIDEO GAMES | | |
|---|--------|--------|
| (Apply the following percent good to the untrended historic cost) | | |
| Year 1 | Year 2 | Year 3 |
| 60% | 37% | 20% |

| VIDEO TAPES & LASER DISKS |
|---------------------------|
| Value at \$9 per tape |

| WOODEN WINE BARRELS AND INNERSTAVES | | | | | |
|---|--------|--------|--------|--------|----------------|
| (Apply the following percent good to the untrended historic cost) | | | | | |
| | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 or more |
| Barrels | 55% | 25% | 15% | 8% | 5% |
| Innerstaves | 55% | 25% | -0- | | |

| BILLBOARDS & POSTER PANELS | |
|---|--|
| Type of Sign | Current Replacement Cost Per Lineal Foot |
| Unlighted | \$129 |
| Externally Lighted | \$161 |
| Internally Lighted | \$309 |
| Above replacement costs include one support structure and one face. Multiple faced signs should be adjusted to eliminate a support structure for each additional face as follows: | |
| Type of Sign | Deduction From Replacement Cost |
| Lighted / Unlighted 12 x 25' | \$1,029 |
| Lighted / Unlighted 14 x 48' | \$2,572 |
| Lighted / Unlighted 20 x 60' | \$4,012 |
| Signs smaller than 12 x 25' use 40% of above deduction. | |
| DEPRECIATION -- 4% straight line per year based on effective age to 20% of replacement cost. | |

| TITLE PLANTS | |
|--------------------------------|-----------------------------------|
| (Reference PTB 72-14) | |
| \$2.50 per parcel (as defined) | \$0.15 per recording (as defined) |

SUPPLEMENTAL VALUATION SCHEDULE

Revised 1/19/99

COMPUTER SOFTWARE

The 1991 Legislature defined computer software and established valuation methods. For the 1999 assessment year, canned software shall be assessed as illustrated in the following example:

- Canned software acquired in 1998 shall be valued at 100% of its full acquisition cost.
- Canned software acquired in 1997 shall be listed at 100% and valued at 50% of its full acquisition cost.
- All software, canned or custom, purchased prior to 1997 is exempt.
- Embedded software is taxable and shall be valued as an integral part of the computer system, machinery or equipment in which it is housed, at the established life of the equipment.

1999 PERSONAL PROPERTY VALUATION INDICATORS

[illegible]

